

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/562,134
Source: 1FWP
Date Processed by STIC: 1/10/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/562,134

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220> ~~Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.~~
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWP

RAW SEQUENCE LISTING

DATE: 01/10/2006

PATENT APPLICATION: US/10/562,134

TIME: 09:40:07

Input Set : A:\PCTEP04007090.txt

Output Set: N:\CRF4\01102006\J562134.raw

3 <110> APPLICANT: TOOKE, NIGEL
 4 EKSTROM, BJORN
 6 <120> TITLE OF INVENTION: NEW METHOD
 8 <130> FILE REFERENCE: 71870-82448
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/562,134
 C--> 11 <141> CURRENT FILING DATE: 2005-12-23
 13 <150> PRIOR APPLICATION NUMBER: SE 0301951-0
 14 <151> PRIOR FILING DATE: 2003-06-30
 16 <150> PRIOR APPLICATION NUMBER: US 60/481,043
 17 <151> PRIOR FILING DATE: 2003-06-30
 19 <150> PRIOR APPLICATION NUMBER: US 60/481,319
 20 <151> PRIOR FILING DATE: 2003-09-01
 22 <160> NUMBER OF SEQ ID NOS: 30
 24 <170> SOFTWARE: PatentIn version 3.2
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 27
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Artificial
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: Artificial
 34 <400> SEQUENCE: 1
 35 cagcagcagc agcagcagca gcagcag
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 6
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Artificial
 43 <220> FEATURE:
 44 <223> OTHER INFORMATION: Artificial
 46 <400> SEQUENCE: 2
 47 gtcgctc
 50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 12
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Artificial
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: Artificial
 58 <400> SEQUENCE: 3
 59 gtcgctcgtcg tc
 62 <210> SEQ ID NO: 4
 63 <211> LENGTH: 15
 64 <212> TYPE: DNA
 65 <213> ORGANISM: Artificial
 67 <220> FEATURE:

Does Not Comply
 Corrected Diskette Needed

global error

insufficient response - give source of genetic material

(see item 11 on

27 Error

summary
sheet)

6

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/562,134

DATE: 01/10/2006
 TIME: 09:40:07

Input Set : A:\PCTEP04007090.txt
 Output Set: N:\CRF4\01102006\J562134.raw

68 <223> OTHER INFORMATION: Artificial	
70 <400> SEQUENCE: 4	
71 gtcgtcgtcg tcgtc	15
74 <210> SEQ ID NO: 5	
75 <211> LENGTH: 21	
76 <212> TYPE: DNA	
77 <213> ORGANISM: Artificial	
79 <220> FEATURE:	
80 <223> OTHER INFORMATION: Artificial	
82 <400> SEQUENCE: 5	
83 gtcgtcgtcg tcgtcgtcgt c	21
86 <210> SEQ ID NO: 6	
87 <211> LENGTH: 27	
88 <212> TYPE: DNA	
89 <213> ORGANISM: Artificial	
91 <220> FEATURE:	
92 <223> OTHER INFORMATION: Artificial	
94 <400> SEQUENCE: 6	
95 cggcggcggc ggcggcggcg gcggcg	27
98 <210> SEQ ID NO: 7	
99 <211> LENGTH: 6	
100 <212> TYPE: DNA	
101 <213> ORGANISM: Artificial	
103 <220> FEATURE:	
104 <223> OTHER INFORMATION: Artificial	
106 <400> SEQUENCE: 7	
107 gccgcc	6
110 <210> SEQ ID NO: 8	
111 <211> LENGTH: 12	
112 <212> TYPE: DNA	
113 <213> ORGANISM: Artificial	
115 <220> FEATURE:	
116 <223> OTHER INFORMATION: Artificial	
118 <400> SEQUENCE: 8	
119 gccgccgccg cc	12
122 <210> SEQ ID NO: 9	
123 <211> LENGTH: 15	
124 <212> TYPE: DNA	
125 <213> ORGANISM: Artificial	
127 <220> FEATURE:	
128 <223> OTHER INFORMATION: Artificial	
130 <400> SEQUENCE: 9	
131 gccgccgccg ccgcc	15
134 <210> SEQ ID NO: 10	
135 <211> LENGTH: 21	
136 <212> TYPE: DNA	
137 <213> ORGANISM: Artificial	
139 <220> FEATURE:	
140 <223> OTHER INFORMATION: Artificial	

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/562,134

DATE: 01/10/2006
 TIME: 09:40:07

Input Set : A:\PCTEP04007090.txt
 Output Set: N:\CRF4\01102006\J562134.raw

142 <400> SEQUENCE: 10	
143 gccgccgccg ccgccgccgc c	21
146 <210> SEQ ID NO: 11	
147 <211> LENGTH: 20	
148 <212> TYPE: DNA	
149 <213> ORGANISM: Artificial	
151 <220> FEATURE:	
152 <223> OTHER INFORMATION: Artificial	
154 <400> SEQUENCE: 11	
155 atggtgcacc tgactcctga	20
158 <210> SEQ ID NO: 12	
159 <211> LENGTH: 21	
160 <212> TYPE: DNA	
161 <213> ORGANISM: Artificial	
163 <220> FEATURE:	
164 <223> OTHER INFORMATION: Artificial	
166 <400> SEQUENCE: 12	
167 ggagaagtct gccgttactg c	21
170 <210> SEQ ID NO: 13	
171 <211> LENGTH: 41	
172 <212> TYPE: DNA	
173 <213> ORGANISM: Artificial	
175 <220> FEATURE:	
176 <223> OTHER INFORMATION: Artificial	
178 <400> SEQUENCE: 13	
179 gcagtaacgg cagacttctc ctcaggagtc aggtgcacca t	41
182 <210> SEQ ID NO: 14	
183 <211> LENGTH: 41	
184 <212> TYPE: DNA	
185 <213> ORGANISM: Artificial	
187 <220> FEATURE:	
188 <223> OTHER INFORMATION: Artificial	
190 <400> SEQUENCE: 14	
191 atggtgcacc tgactcctga ggagaagtct gccgttactg c	41
194 <210> SEQ ID NO: 15	
195 <211> LENGTH: 15	
196 <212> TYPE: DNA	
197 <213> ORGANISM: Artificial	
199 <220> FEATURE:	
200 <223> OTHER INFORMATION: Artificial	
202 <400> SEQUENCE: 15	
203 acggcagact tctcc	15
206 <210> SEQ ID NO: 16	
207 <211> LENGTH: 36	
208 <212> TYPE: DNA	
209 <213> ORGANISM: Artificial	
211 <220> FEATURE:	
212 <223> OTHER INFORMATION: Artificial	
214 <400> SEQUENCE: 16	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/562,134

DATE: 01/10/2006

TIME: 09:40:07

Input Set : A:\PCTEP04007090.txt

Output Set: N:\CRF4\01102006\J562134.raw

215 cggcggcggc ggcggcggcg gcggcggcgg cggcgg 36
 218 <210> SEQ ID NO: 17
 219 <211> LENGTH: 30
 220 <212> TYPE: DNA
 221 <213> ORGANISM: Artificial
 223 <220> FEATURE:
 224 <223> OTHER INFORMATION: Artificial
 226 <400> SEQUENCE: 17
 227 ctgctgctgc tgctgctgct gctgctgctg 30
 230 <210> SEQ ID NO: 18
 231 <211> LENGTH: 60
 232 <212> TYPE: DNA
 233 <213> ORGANISM: Artificial
 235 <220> FEATURE:
 236 <223> OTHER INFORMATION: Artificial
 238 <400> SEQUENCE: 18
 239 ctgctgctgc tgctgctgct gctgctgctg ctgctgctgc tgctgctgct gctgctgctg 60
 242 <210> SEQ ID NO: 19
 243 <211> LENGTH: 9
 244 <212> TYPE: DNA
 245 <213> ORGANISM: Artificial
 247 <220> FEATURE:
 248 <223> OTHER INFORMATION: Artificial
 250 <400> SEQUENCE: 19
 251 cagcagcag 9
 254 <210> SEQ ID NO: 20
 255 <211> LENGTH: 59
 256 <212> TYPE: DNA
 257 <213> ORGANISM: Streptococcus salivarius
 260 <220> FEATURE:
 261 <221> NAME/KEY: misc_feature
 262 <222> LOCATION: (34)..(36)
 263 <223> OTHER INFORMATION: n is a, c, g, or t
 265 <400> SEQUENCE: 20
 W--> 266 taggtgaatt aataagccta gggacttgat tttnnncaag ttacggcgag tgaactggc 59
 269 <210> SEQ ID NO: 21
 270 <211> LENGTH: 59
 271 <212> TYPE: DNA
 272 <213> ORGANISM: Streptococcus vestibularis
 275 <220> FEATURE:
 276 <221> NAME/KEY: misc_feature
 277 <222> LOCATION: (34)..(36)
 278 <223> OTHER INFORMATION: n is a, c, g, or t
 280 <400> SEQUENCE: 21
 W--> 281 taggtgaatc aataagccta gggacttgat tttnnncaag ttacggcgag cgaactagc 59
 284 <210> SEQ ID NO: 22
 285 <211> LENGTH: 59
 286 <212> TYPE: DNA
 287 <213> ORGANISM: Streptococcus orisratti

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/562,134

DATE: 01/10/2006

TIME: 09:40:07

Input Set : A:\PCTEP04007090.txt

Output Set: N:\CRF4\01102006\J562134.raw

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289 <400> SEQUENCE: 22
290 taggcgaaaa aataagccta ggggggtagt cttttctgcc ctacggcgag taaaatggc      59
293 <210> SEQ ID NO: 23
294 <211> LENGTH: 59
295 <212> TYPE: DNA
296 <213> ORGANISM: Streptococcus canis
299 <220> FEATURE:
300 <221> NAME/KEY: misc_feature
301 <222> LOCATION: (29)..(30)
302 <223> OTHER INFORMATION: n is a, c, g, or t
304 <220> FEATURE:
305 <221> NAME/KEY: misc_feature
306 <222> LOCATION: (35)..(36)
307 <223> OTHER INFORMATION: n is a, c, g, or t
309 <400> SEQUENCE: 23
W--> 310 taggcgaaca aataagccta gggatgtgnn cttgncaca ttacggcgga gaaaatggc      59
313 <210> SEQ ID NO: 24
314 <211> LENGTH: 59
315 <212> TYPE: DNA
316 <213> ORGANISM: Streptococcus equi zooepid
319 <220> FEATURE:
320 <221> NAME/KEY: misc_feature
321 <222> LOCATION: (29)..(30)
322 <223> OTHER INFORMATION: n is a, c, g, or t
324 <220> FEATURE:
325 <221> NAME/KEY: misc_feature
326 <222> LOCATION: (36)..(36)
327 <223> OTHER INFORMATION: n is a, c, g, or t
329 <400> SEQUENCE: 24
W--> 330 taggcgaaca aataagccta gggatgtgnn tttgancaca ttacggcgag tgaaaaggc      59
333 <210> SEQ ID NO: 25
334 <211> LENGTH: 59
335 <212> TYPE: DNA
336 <213> ORGANISM: Streptococcus dysgal equi
339 <220> FEATURE:
340 <221> NAME/KEY: misc_feature
341 <222> LOCATION: (29)..(30)
342 <223> OTHER INFORMATION: n is a, c, g, or t
344 <220> FEATURE:
345 <221> NAME/KEY: misc_feature
346 <222> LOCATION: (35)..(36)
347 <223> OTHER INFORMATION: n is a, c, g, or t
349 <400> SEQUENCE: 25
W--> 350 taggcgaaca aataagccta gggatgtgnn cttanntaca ttacggcgaa gaaaatggc      59
353 <210> SEQ ID NO: 26
354 <211> LENGTH: 59
355 <212> TYPE: DNA
356 <213> ORGANISM: Streptococcus parauberis
359 <220> FEATURE:

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/562,134

DATE: 01/10/2006
TIME: 09:40:08

FYI

Input Set : A:\PCTEP04007090.txt
Output Set: N:\CRF4\01102006\J562134.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:20; N Pos. 34,35,36
Seq#:21; N Pos. 34,35,36
Seq#:23; N Pos. 29,30,35,36
Seq#:24; N Pos. 29,30,36
Seq#:25; N Pos. 29,30,35,36
Seq#:26; N Pos. 28,29,30,31
Seq#:27; N Pos. 29,30
Seq#:28; N Pos. 29,30,35,36
Seq#:29; N Pos. 29,30,35,36
Seq#:30; N Pos. 33,36

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19

ignore this

VERIFICATION SUMMARY

DATE: 01/10/2006

PATENT APPLICATION: US/10/562,134

TIME: 09:40:08

Input Set : A:\PCTEP04007090.txt

Output Set: N:\CRF4\01102006\J562134.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0

L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0

L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0

L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0

L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0

L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0

L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0

L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0

L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0

L:440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0